

ENHANCING THE COMPETITIVENESS IN PET – BOTTLE MANUFACTURING INDUSTRY

By

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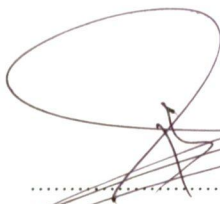
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ABBREVATIONS

PET- Polyethylene There phthalate

HDPE- High Density Polyethylene

PVC- Poly Vinyl Chloride

LTS- Level of Technology Score

LTS1- Level of Technology Score in CEI Plastics Ltd.

LTS2- Level of Technology Score in CISCO Specialty Packaging Pvt Ltd.

LTS3- Level of Technology Score in Adplast PvtLtd.

LTS4- Level of Technology Score in PET Packaging Ltd.

LTS5- Level of Technology Score in 609 Manufacturing Pvt Ltd.

LTS6- Level of Technology Score in Metal Packaging Pvt Ltd.

LTS7- Level of Technology Score in FMJ Plastics Ltd.

OPPS- Operational Practices Scores

OPPS1- Operational Practices Score in CEI Plastics Ltd.

OPPS2- Operational Practices Score in CISCO Specialty Packaging Pvt Ltd.

OPPS3- Operational Practices Score in Adplast PvtLtd.

OPPS4- Operational Practices Score in PET Packaging Ltd.

OPPS5- Operational Practices Score in 609 Manufacturing Pvt Ltd.

OPPS6- Operational Practices Score in Metal Packaging Pvt Ltd.

OPPS7- Operational Practices Score in FMJ Plastics Ltd.

OGPS- Organizational Practices Score

OGPS1- Organizational Practices Score in CEI Plastics Ltd.

OGPS2- Organizational Practices Score in CISCO Specialty Packaging Pvt Ltd.

OGPS3- Organizational Practices Score in Adplast PvtLtd.

OGPS4- Organizational Practices Score in PET Packaging Ltd.

OGPS5- Organizational Practices Score in 609 Manufacturing Pvt Ltd

OGPS6- Organizational Practices Score in Metal Packaging Pvt Ltd.

OGPS7- Organizational Practices Score in FMJ Plastics Ltd.

SMES- Senior Manager's Education Score

SMES1- Senior Manager's Education in CEI Plastics Ltd.

SMES2- Senior Manager's Education in CISCO Specialty Packaging Pvt Ltd.

SMES3- Senior Manager's Education in Adplast PvtLtd.

SMES4- Senior Manager's Education in PET Packaging Ltd.

SMES5- Senior Manager's Education in 609 Manufacturing Pvt Ltd

SMES6- Senior Manager's Education in Metal Packaging Pvt Ltd.

SMES7- Senior Manager's Education in FMJ Plastics Ltd.

SMA- Senior Manager's Attitude

SMA1- Senior Manager's Attitude in CEI Plastics Ltd.

SMA2- Senior Manager's Attitude in CISCO Specialty Packaging Pvt Ltd.

SMA3- Senior Manager's Attitude in Adplast PvtLtd

SMA4- Senior Manager's Attitude in PET Packaging Ltd.

SMA5- Senior Manager's Attitude in 609 Manufacturing Pvt Ltd

SMA6- Senior Manager's Attitude in Metal Packaging Pvt Ltd.

SMA7- Senior Manager's Attitude in FMJ Plastics Ltd.

TCS- Technology Capability Score

TCS1- Technology Capability Score in CEI Plastics Ltd.

TCS2- Technology Capability Score in CISCO Specialty Packaging Pvt Ltd.

TCS3- Technology Capability Score in Adplast PvtLtd.

TCS4- Technology Capability Score in PET Packaging Ltd.

TCS5- Technology Capability Score in 609 Manufacturing Pvt Ltd

TCS6- Technology Capability Score in Metal Packaging Pvt Ltd.

TCS7- Technology Capability Score in FMJ Plastics Ltd

OCS-Organizational Culture Score

OCS1-Organizational Culture Score in CEI Plastics Ltd.

OCS2-Organizational Culture Score in CISCO Specialty Packaging Pvt Ltd.

OCS3-Organizational Culture Score in Adplast PvtLtd

OCS4-Organizational Culture Score in PET Packaging Ltd

OCS5-Organizational Culture Score in 609 Manufacturing Pvt Ltd

OCS6-Organizational Culture Score in Metal Packaging Pvt Ltd.

OCS7-Organizational Culture Score in FMJ Plastics Ltd

PI- Productivity Indices

PI1- Productivity Indices in CEI Plastics Ltd.

PI2- Productivity Indices in CISCO Specialty Packaging Pvt Ltd.

PI3- Productivity Indices in Adplast PvtLtd

PI4- Productivity Indices in PET Packaging Ltd

PI5- Productivity Indices in 609 Manufacturing Pvt Ltd

PI6- Productivity Indices in Metal Packaging Pvt Ltd.

PI7- Productivity Indices in FMJ Plastics Ltd

EURS- Effective Utilization of Resources Scores

EURS1- Effective Utilization of Resources Scores in CEI Plastics Ltd.

EURS2- Effective Utilization of Resources Scores in CISCO Packaging Pvt Ltd.

EURS3- Effective Utilization of Resources Scores in Adplast PvtLtd

EURS4- Effective Utilization of Resources Scores in PET Packaging Ltd

EURS5- Effective Utilization of Resources Scores in 609 Manufacturing Pvt Ltd

EURS6- Effective Utilization of Resources Scores in Metal Packaging Pvt Ltd.

EURS7- Effective Utilization of Resources Scores in FMJ Plastics Ltd

AA- Acetaldehyde

VOR- Value of Returns

VOR1- Value of Returns in CEI Plastics Ltd.

VOR2- Value of Returns in CISCO Specialty Packaging Pvt Ltd.

VOR3- Value of Returns in Adplast PvtLtd

VOR4- Value of Returns in PET Packaging Ltd

VOR5- Value of Returns in 609 Manufacturing Pvt Ltd

VOR6- Value of Returns in Metal Packaging Pvt Ltd

VOR7- Value of Returns in FMJ Plastics Ltd

COP- Cost of Product

COP1- Cost of Product in CEI Plastics Ltd.

COP2- Cost of Product in CISCO Specialty Packaging Pvt Ltd

COP3- Cost of Product in Adplast PvtLtd

COP4- Cost of Product in PET Packaging Ltd

COP5- Cost of Product in 609 Manufacturing Pvt Ltd

COP6- Cost of Product in Metal Packaging Pvt Ltd

COP7- Cost of Product in FMJ Plastics Ltd

ABSTRACT

Today polyethylene terephthalate (PET) bottles are widely used as packaging containers for highly carbonated drinks and mineral water. The reason for this is nice product appearance, excellent rigidity, high strength, low gas (especially carbon dioxide) permeability and other valuable properties of PET made containers

PET bottle market is facing huge competition in Sri Lanka because it is very small and still not exposed completely. Since PET bottles are packaging items, their cost directly goes to the cost of final product, which needs to be minimized.

High cost affects end-user and leads to decreased sales volume of the packed product. That is way all PET bottles manufacturers facing the market competition try to reduce the cost of product

In this context the present research was focused on finding and analyzing the factors, which effect on the cost of final product in order to bring it down and raise competitiveness of local PET bottle manufacturing industry at market.

Carried out research was based on data collected from seven PET bottle manufacturers covered more than 90% of market share. Technological level, organizational and operational practices, technological capability and work culture, existing at the selected companies were deeply studied and carefully analyzed.

Another aspect covered by research was focused on measuring the individual performances and efficiency approaching, qualitative and quantitative measurements of productivity.

At the end of this research all gathered information was processed mathematically and used to prove how much above issues affected on competitiveness in PET bottle manufacturing industry.

Conclusion was made to summarize the existing at the discussed industry forms of organizational culture, level of technology, operational and organizational procedures as well as senior managerial attitude towards training and development of social consciousness of employees and upgrading their qualifications.

Special attention was brought to highlighting the influence of waste generated on the product cost and consequently on competitiveness of the product made at market.



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